

**Counteracting Gas Ingestion in a Hydrodynamic Bearing SpindleMotor****Abstract of the Disclosure**

According to one embodiment of the present invention, a method of counteracting gas  
5 ingestion in a hydrodynamic bearing of a spindle motor in a data storage device comprises  
waiting for activity of a host connected with the data storage device to become idle. When the  
activity of the host becomes idle, a determination is made whether to release gas from a fluid of  
the hydrodynamic bearing of the spindle motor. Responsive to determining to release gas from a  
fluid of the hydrodynamic bearing of the spindle motor a motor spin down routine for the spindle  
10 motor is performed.

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